

CLAIMS

[1] An inkjet printer comprising a recording medium feeder (20) which feeds a recording medium (M), a printer (30) which carries out a printing for the fed recording medium (M) by ink discharged from a nozzle surface (34a) formed on a print head (31), and a cleaner (50) which cleans said nozzle surface (34a),

wherein said cleaner (50) includes a wiper blade unit (70) which wipes said nozzle surface (34a) with a plurality of wiper blades (75), and a roller wiper unit (60) which absorbs ink on said nozzle surface (34a) by roller members (61, 62) with ink absorbers (61b, 62b).

[2] The inkjet printer according to claim 1, wherein said print head (31) is movable along a carrier guide (33) which elongates linearly, and said recording medium feeder (20) and said cleaner (50) are arranged side by side with each other along a movement direction of said print head (31).

[3] The inkjet printer according to claim 2, wherein said roller wiper unit (60) is placed at a side closer to said recording medium feeder (20) than said wiper blade unit (70).

[4] The inkjet printer according to claim 1, wherein said roller wiper unit (60) includes a plurality of roller members (61, 62), and said plurality of roller members (61, 62) are placed in such a manner as to allow outer circumferences thereof to be pressure-contacted with one another.

[5] The inkjet printer according to claim 4, wherein said roller wiper unit (60) includes a first roller member (61) which is so placed as to be able to contact said nozzle surface (34a), and a second roller member (62) which placed at a position contacting said first roller member (61) but not contacting said nozzle surface (23a).

[6] The inkjet printer according to claim 1, wherein said ink absorbers (61b, 62b) contain porous materials.

[7] The inkjet printer according to claim 5, wherein said ink absorbers (61b, 62b) included in said first roller member (61) and said second roller member (62) contain porous

materials, and said porous material contained in said ink absorber (61) of said first roller member (61) is coarser than said porous material contained in said ink absorber (62b) of said second roller member (62).

5 [8] The inkjet printer according to claim 1, wherein said roller member (61) is formed with a gap on the area of said roller member through which a nozzle (34b) passes upon contacting said nozzle surface (34a).

[9] The inkjet printer according to claim 8, wherein said gap is formed by dividing said roller member (61) along the axial direction thereof, and placing a spacer (61d) between divided roller members (61b1, 61b2).

10 [10] The inkjet printer according to claim 9, wherein said spacer (61d) is detachably placed on said roller member (61).

[11] The inkjet printer according to claim 1, wherein said roller member (61) can be driven as said roller member contacts said nozzle surface (34a) which moves.

15 [12] The inkjet printer according to claim 1, wherein said ink absorbers (61b, 62b) are replaceable.

[13] The inkjet printer according to claim 1, wherein said wiper blade (75) is so fixed on an endless belt as to face outward, and formed with a recess portion (75b) on the area of said wiper blade through which a nozzle (34b) passes upon wiping said nozzle surface (34a).